**index.html**

<!DOCTYPE html>

<html>

<head>

<title>Login</title>

</head>

<body>

<h2>Login Form</h2>

<form action="login" method="POST">

<label for="username">Username:</label>

<input type="text" id="username" name="username" required><br><br>

<label for="password">Password:</label>

<input type="password" id="password" name="password" required><br><br>

<input type="submit" value="login">

</form>

</body>

</html>

**err.html**

<!DOCTYPE html>

<html>

<head>

<title>Login</title>

</head>

<body>

<h2>Login Form</h2>

<form action="login" method="POST">

<label for="username">Username:</label>

<input type="text" id="username" name="username" required><br><br>

<label for="password">Password:</label>

<input type="password" id="password" name="password" required><br><br>

<input type="submit" value="login">

</form>

</body>

</html>

**LoginServlet**

package com.simple;

import java.io.IOException;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

@WebServlet("/login")

public class LoginServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

String username = request.getParameter("username");

String password = request.getParameter("password");

// Check if the username and password are valid (hard-coded values for demonstration purposes)

if (username.equals("abcdef") && password.equals("123456")) {

// Set a session attribute to indicate successful login

request.getSession().setAttribute("loggedIn", true);

// Redirect to the dashboard page

response.sendRedirect("dashboard");

} else {

// Redirect to the error message page for invalid login

response.sendRedirect("login-error.html");

}

}

}

**DashboardServlet**

package com.simple;

import java.io.IOException;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

@WebServlet("/dashboard")

public class DashboardServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

// Check if the user is logged in

boolean isLoggedIn = (request.getSession().getAttribute("loggedIn") != null);

if (isLoggedIn) {

// Show the dashboard page

response.setContentType("text/html");

response.getWriter().println("<html><head><title>Dashboard</title></head><body>");

response.getWriter().println("<h2>Welcome to the Dashboard!</h2>");

response.getWriter().println("<h4>Successfully Login!</h2>");

response.getWriter().println("<a href='logout'>Logout</a>");

response.getWriter().println("</body></html>");

} else {

// Redirect to the login page if not logged in

response.sendRedirect("login.html");

}

}

}

**LogoutServlet**

package com.simple;

import java.io.IOException;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

@WebServlet("/logout")

public class LogoutServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

// Invalidate the session and redirect to the login page

request.getSession().invalidate();

response.sendRedirect("login.html");

}

}

**ErrorServlet**

package com.simple;

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

@WebServlet("/ErrorServlet")

public class ErrorServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

PrintWriter out = response.getWriter();

out.println("<html><body>" +"<span style='color:red'>incorrect username or password</span>" + "<br><br><a href='LoginServlet'>Back to login</a>" +"</body></html>");

response.getWriter().append("Served at: ").append(request.getContextPath());

}

protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

doGet(request, response);

}

}

**wed.xml**

<?xml version="1.0" encoding="UTF-8"?>

<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="https://jakarta.ee/xml/ns/jakartaee" xmlns:web="http://xmlns.jcp.org/xml/ns/javaee" xsi:schemaLocation="https://jakarta.ee/xml/ns/jakartaee https://jakarta.ee/xml/ns/jakartaee/web-app\_6\_0.xsd" id="WebApp\_ID" version="6.0">

<display-name>UserValidation</display-name>

<welcome-file-list>

<welcome-file>index.html</welcome-file>

<welcome-file>index.jsp</welcome-file>

<welcome-file>index.htm</welcome-file>

<welcome-file>default.html</welcome-file>

<welcome-file>default.jsp</welcome-file>

<welcome-file>default.htm</welcome-file>

</welcome-file-list>

<servlet>

<description></description>

<display-name>LoginServlet</display-name>

<servlet-name>LoginServlet</servlet-name>

<servlet-class>com.simpli.LoginServlet</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>LoginServlet</servlet-name>

<url-pattern>/LoginServlet</url-pattern>

</servlet-mapping>

<servlet>

<description></description>

<display-name>DashboardServlet</display-name>

<servlet-name>DashboardServlet</servlet-name>

<servlet-class>com.simpli.DashboardServlet</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>DashboardServlet</servlet-name>

<url-pattern>/DashboardServlet</url-pattern>

</servlet-mapping>

<servlet>

<description></description>

<display-name>LogoutServlet</display-name>

<servlet-name>LogoutServlet</servlet-name>

<servlet-class>com.simpli.LogoutServlet</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>LogoutServlet</servlet-name>

<url-pattern>/LogoutServlet</url-pattern>

</servlet-mapping>

</web-app>